

## AMENDMENTS TO THE CLAIMS

Claims 1-6 (Cancelled).

7. (Previously presented) A composition of the formulae:

- 5 (a)  $M-F_m-O-(CR_2)_2-S_n-(CR_2)_2-O-M^1$ ; or  
(b)  $M-Z-A-O-(CR_2)_2-S_n-(CR_2)_2-F'_{(m+1)}-O-A-Z^1-M^1$ ,

wherein

C, O and S have their normal meaning of carbon, oxygen and sulfur;

n is at least 2 and not more than about 8;

10  $F$  is of the formula  $-O-(CR_2)_2-S_n-(CR_2)_2-O-A-$ ;

$F'$  is of the formula  $-O-A-O-(CR_2)_2-S_n-(CR_2)_2-$ ;

$m$  is at least 1;

$Z$  and  $Z^1$  are the same or different and are oxy or amino;

$M$  and  $M^1$  are the same or different and are hydrogen or an organic substituent;

15 Each R is a hydrogen or organic monovalent radical having from 2 to 20 carbon atoms;

and

A is the residue of a dicarboxylic acid of from 2 to 40 carbon atoms, which includes carbonyl groups.

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8. (Previously presented) A composition according to claim 7, wherein R, M and  $M^1$  are hydrogen and A is of from 2 to 12 carbon atoms.

9. (Previously presented) A composition of the formulae:

(a)  $H-F_m-O-(CR_2)_2-S_n-(CR_2)_2-O-H$ ; or

(b)  $H-O-A-O-(CR_2)_2-S_n-(CR_2)_2-F^l_{(m+1)}-O-A-O-H$ ,

wherein

5 C, O, H and S have their normal meaning of carbon, oxygen, hydrogen and sulfur;

n is at least 2 and not more than about 8;

F is of the formula  $-O-(CH_2)_2-S_n-(CH_2)_2-O-A-$ ;

F<sup>l</sup> is of the formula  $-O-A-O-(CH_2)_2-S_n-(CH_2)_2-$ ;

m is at least 1; and

10 A is a fatty acid dimer residue, which includes carbonyl groups.

10. (Previously presented) A composition according to claim 7, wherein:

M is defined as WR<sup>2</sup>- and

M<sup>1</sup> is defined as W<sup>1</sup>R<sup>3</sup>-,

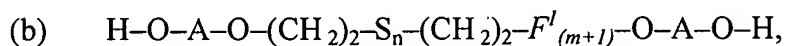
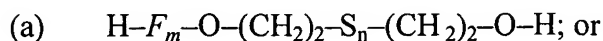
15 wherein:

R<sup>2</sup> and R<sup>3</sup> are the same or different and are an organic divalent radical having from 2 to 12 carbon atoms; and

W and W<sup>1</sup> are the same or different, and are amino and substituted amino of from about 1 to 6 carbon atoms, hydroxyl, carboxyl, isothiocyanate, isocyanate, oxo-carbonyl, 20 non-oxo-carbonyl, siloxane, silane, cyclocarbonate, active olefin, or active halogen.

Claims 11-19. (Cancelled).

20. (Previously presented) A composition of the formulae:



wherein:

5 C, O, H and S have their normal meaning of carbon, oxygen, hydrogen and sulfur;

n is at least 2 and not more than about 8;

F is of the formula  $-\text{O}-(\text{CH}_2)_2-\text{S}_n-(\text{CH}_2)_2-\text{O}-\text{A}-$ ;

F<sup>l</sup> is of the formula  $-\text{O}-\text{A}-\text{O}-(\text{CH}_2)_2-\text{S}_n-(\text{CH}_2)_2-$ ;

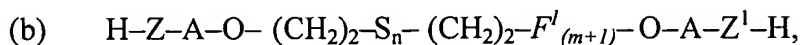
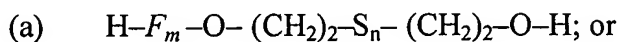
m is at least 1;

10 and A is the residue of a malonic, succinic, glutaric, adipic, pimelic, suberic, azelaic, sebacic, maleic, fumaric, phthalic, isophthalic, terephthalic, hemimellitic, trimellitic, trimesic, nonane-dicarboxylic, decane-di-carboxylic, brassylic, dithiodiacetic, dithiodipropionic, dithiodibutyric, which includes carbonyl groups.

15 21. (Currently amended) A composition resulting from the reaction of the reactants di(hydroxyethyl)disulfide, succinic or adipic acid ~~and dimethylolpropionic acid~~ and an acid catalyst at a temperature in the range of about greater than or equal to 90°C and less than 180°C, or greater than or equal to 90°C and less than or equal to 150°C, or greater than or equal to 120°C and less than or equal to 150°C, or about 120°C.

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22. (Previously presented) A composition of the formula:



wherein

C, O, H and S have their normal meaning of carbon, oxygen and sulfur;

n is at least 2 and not more than about 8;

*F* is of the formula  $-O-(CH_2)_2-S_n-(CH_2)_2-O-A-$ ;

5 *F'* is of the formula  $-O-A-O-(CH_2)_2-S_n-(CH_2)_2-$ ;

*m* is at least 1;

Z and Z<sup>1</sup> are the same or different and are oxy or amino; and

A is a fatty acid dimer residue.

Claims 23-27. (Cancelled).